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U. S. DEPARTMENT OF ENERGY ANNOUNCEMENT OF U. S. DEPARTMENT OF ENERGY (DOE) SCIENTIFIC AND TECHNICAL INFORMATION (STI)

RECORD STATUS (select one):			
New _	Revised Data _	Revised STI Product	

Part I: STI PRODUCT DESCRIPTION		
A. STI PRODUCT TYPE (select one):		
1. Technical Report		
a.Type:SemiannualAnnualFinalTopicalOther (specify)		
b.Reporting Period (<i>mm/dd/yyyy</i>)/ thru/		
2. Conference		
a.Product Type:Conference ProceedingsConference Paper or Other (abstracts, excerpts, etc.)		
b.Conference Information (title, location, dates)		
2 C-R		
3. Software Manual (The actual software package should be made available simultaneously. Follow instructions provided with		
ESTSC F 1 and ESTSC F 2.) 4. Journal Article		
a.Type:Announcement citation onlyPreprintPostprint		
b.Journal Name		
c.Volume d. Issue e. Serial identifier (e.g., ISSN or CODEN)		
5. S&TAccomplishment Report		
6. Book		
7. Patent Application		
a. Date Filed (mm/dd/yyyy)//		
b. Date Priority (<i>mm/dd/yyyy</i>)//		
c. Patent Assignee		
8. Thesis/Dissertation		
B. STI PRODUCT TITLE		
C. AUTHOR(s)		
E-mail Address(es):		
D. STI PRODUCT IDENTIFIER		
1. Report Number(s)		
2. DOE Contract Number(s)		
3. R&D Project ID(s)		
4. Other Identifying Number(s)		
E. ORIGINATING RESEARCH ORGANIZATION		
F. DATE OF PUBLICATION (<i>mm/dd/yyyy</i>) / /		
G. LANGUAGE (if non-English)		
(Grantees and Awardees: Skip to Description/Abstract section at the end of Part I)		
II CDONCODING ODGANIZATION		
H. SPONSORING ORGANIZATION I. PUBLISHER NAME AND LOCATION (if other than research organization)		
1.1 Oblisher Wavie Ard Eccation (if other man research organization)		
Availability (refer requests to [if applicable])		
J. SUBJECT CATEGORIES (list primary one first)		
Keywords		
K. DESCRIPTION/ABSTRACT		

Part II: STI PRODUCT MEDIA/FORMAT and LOCATION/TRANSM	ISSION
A. MEDIA/FORMAT INFORMATION	
1. Medium of STI product is:PaperElectronic document	Computer medium Audiovisual material
2. Size of STI product	
3. File format:	
a. If electronic document is posted at site, indicate:SGML	HTMI YMI PDF Normal
b. If electronic document is transmitted to OSTI, indicate:SG	
	-
TIFFG4WP-indicate Version (5.0 or greater)	
MS Word–indicate Version (5.0 or greater) p	latform/operating system Postscript
4. If computer medium or audiovisual material:	
a.Quantity/type (specify)	
b.Machine compatibility (specify) c. S	The state of the s
f. Other information about product format a user needs to know:	
B. LOCATION/TRANSMISSION INFORMATION	
1. STI Product is available at site: Unique URL (of specific STI Product)	luct)
2. STI Product is being transmitted to OSTI:	
a Electronically via FTP	
b Via mail or shipment (e.g., Federal Express) (Paper products, electr	onic documents on CD-ROM, diskettes, videocassettes, etc.)
3. Information Product Filename (of transmitted electronic format)	
C. ADDITIONAL INFORMATION (concerning media/format or location	
of Industrial International In	with the state of
(Grantees and Awardees: Skip to Contact section at the end of Part III)	
Part III: STI PRODUCT REVIEW/RELEASE INFORMATION	
A. ACCESS LIMITATION	
1. Unlimited Announcement (available to U.S. and non-U.S. public)	
2. OpenNet (use OpenNet guidance for below):	
a.If additional source other than making it available through NTIS:	e. OpenNet Document Categories
(1) Accession Number	
(2) Document Location	
b.Field Office Acronym	
c.Declassification date (mm/dd/yyyy)//	f. OpenNet Addressee
d.Declassification Status:	1. Openiver Addressee
DeclassifiedSanitizedNever classified	
3. U.S. Dissemination Only	49
4. Copyrighted material; Are there any restrictions based on copyrigh	t? yesno. If yes, list the restrictions
5. Small Business Innovation Research (SBIR) Release date (mm/da	d/nnny) / /
6. Small Business Technology Transfer (STTR) Release date (mm/dd	****
0. Sman Business Technology Transfer (STTR) Release date (minutal) 7. Proprietary/Trade Secret	(yyyy) / /
8. Patent Pending	D 1 1 (/ ////) / /
9. Protected dataCRADAOther (specify)	Release date (mm/dd/yyyy)//
10. Official Use Only (OUO)	
11. Program-Directed Special Handling (specify)	
12. Export Control/ITAR/EAR	
13. Unclassified Controlled Nuclear Information (UCNI)	
14. Classified Classification Level/Category of:	
a.This form	b. The STI Product
15. Other information relevant to access (specify; for OSTI internal us	e only)
B. OTHER (information useful to include in published announcement recor	
C. CONTACT AND RELEASING OFFICIAL	
1. Contact (if appropriate, the organization or site contact to include in	
about the content of the STI Product or the research information con	
Name and/or Position	
E-mail Phone	
Organization	
2. Releasing Official I verify that all necessary reviews have be	been completed (e.g. Patent, Copyright, ECI, UCNI, etc.)
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E-mail	Phone